

The diagram illustrates a cross-sectional view of a color display device. At the top, a light source (A) emits light through a lens (B) onto a liquid crystal layer (C). The liquid crystal layer is sandwiched between two glass substrates (D and E). A color filter (F) is located on the bottom substrate, featuring red, green, and blue subpixels. A driving circuit (G) is connected to the color filter. The light path is indicated by arrows, showing light passing through the liquid crystal layer and the color filter. Labels H, I, J, K, X, Y, and Z mark specific regions and components within the device structure.

FIG. 1

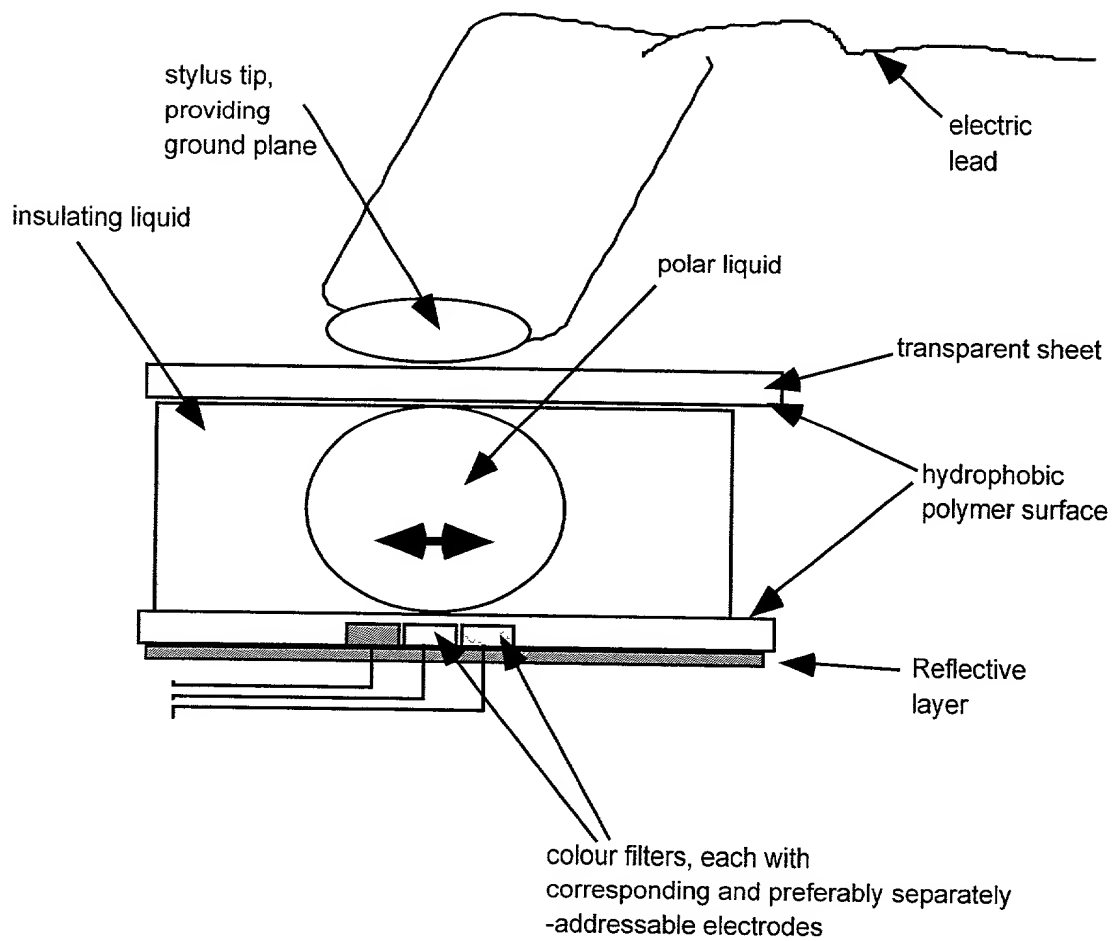


FIG. 2

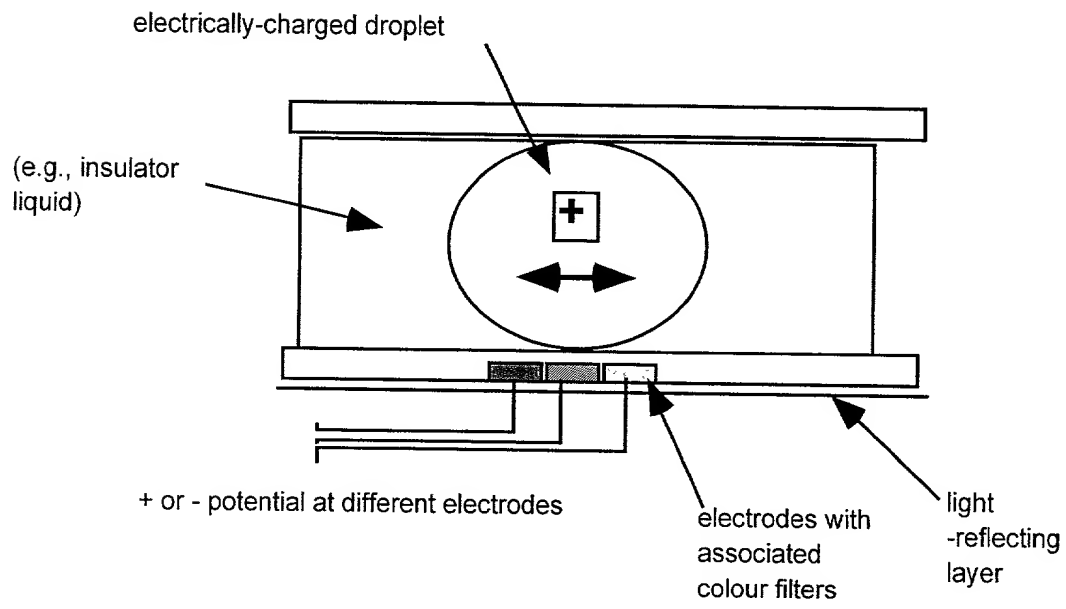


FIG. 3

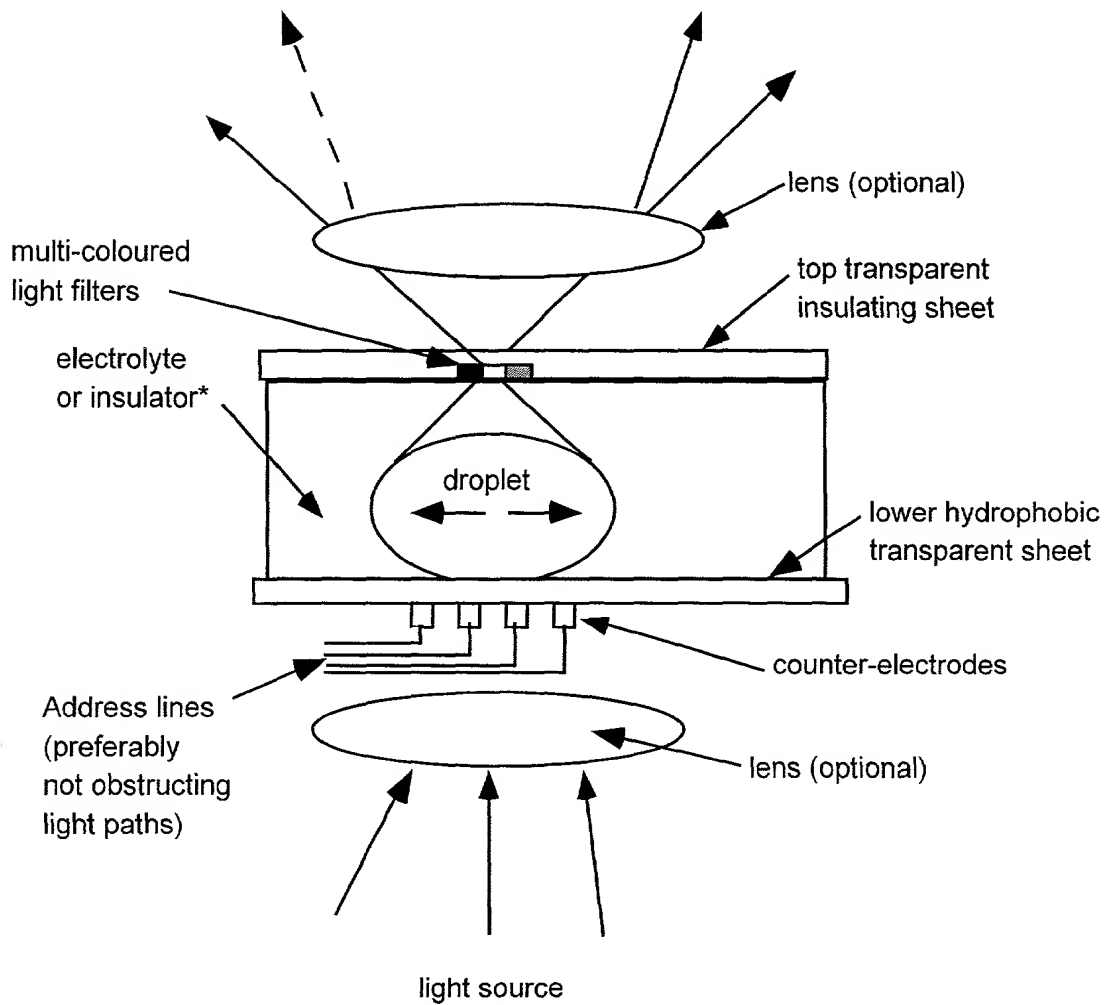


FIG. 4

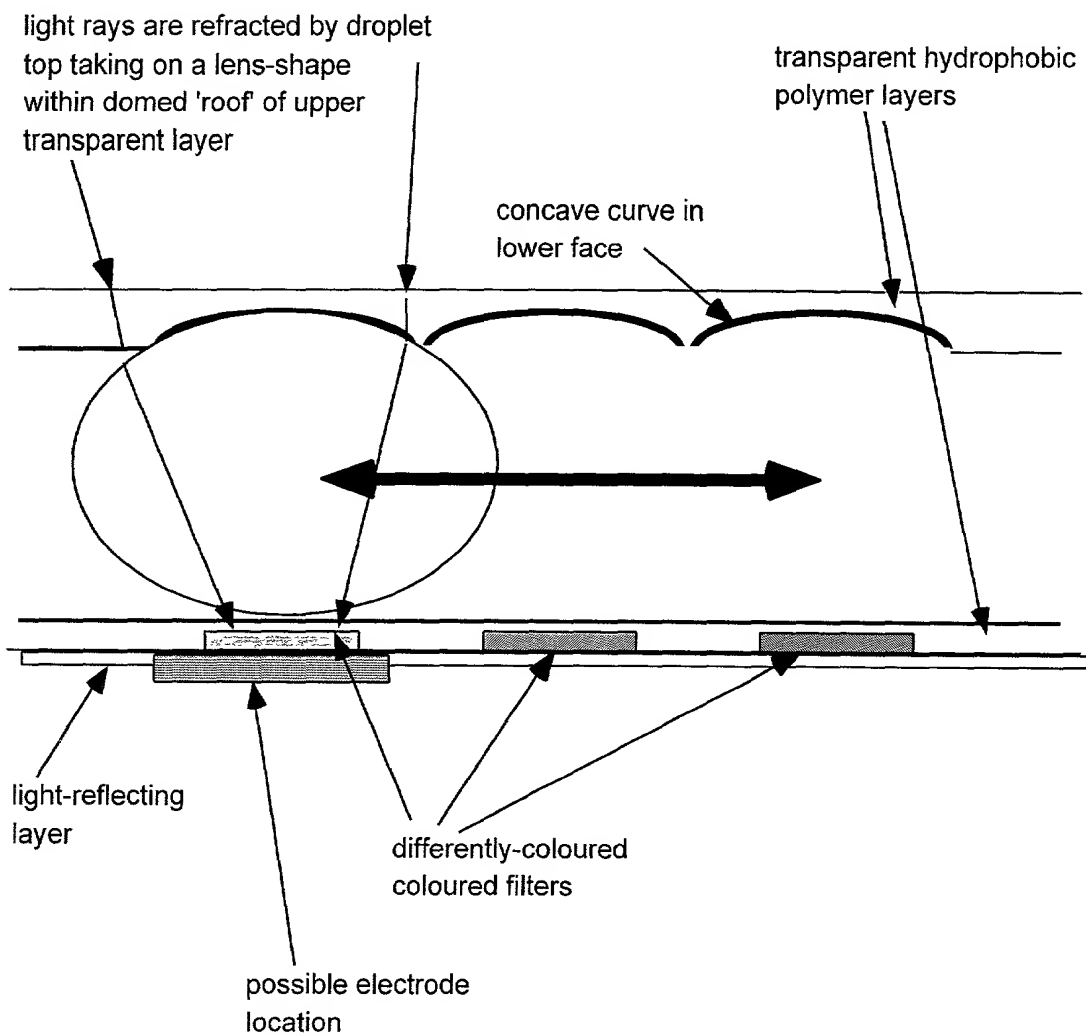


FIG 5

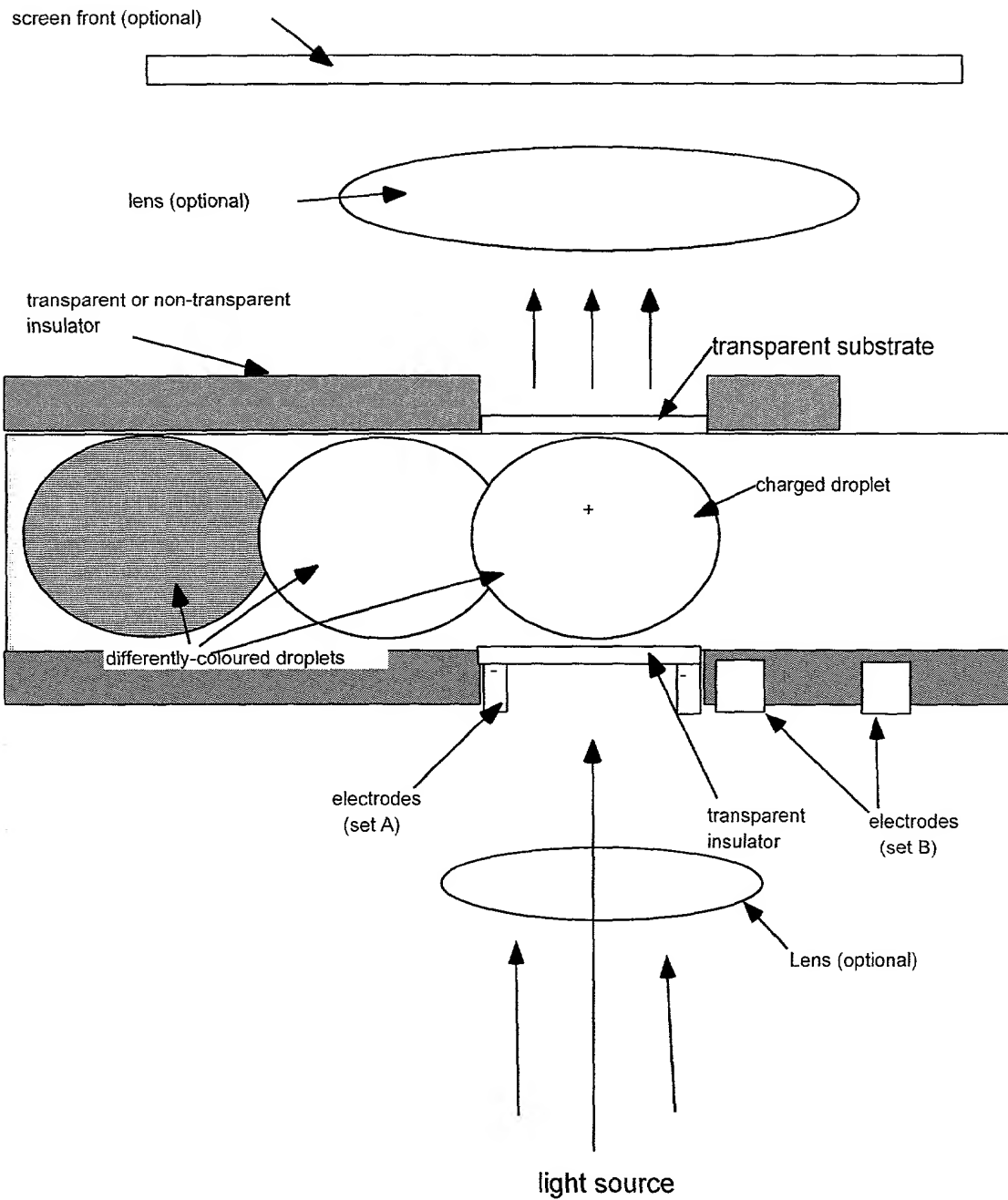


FIG. 6

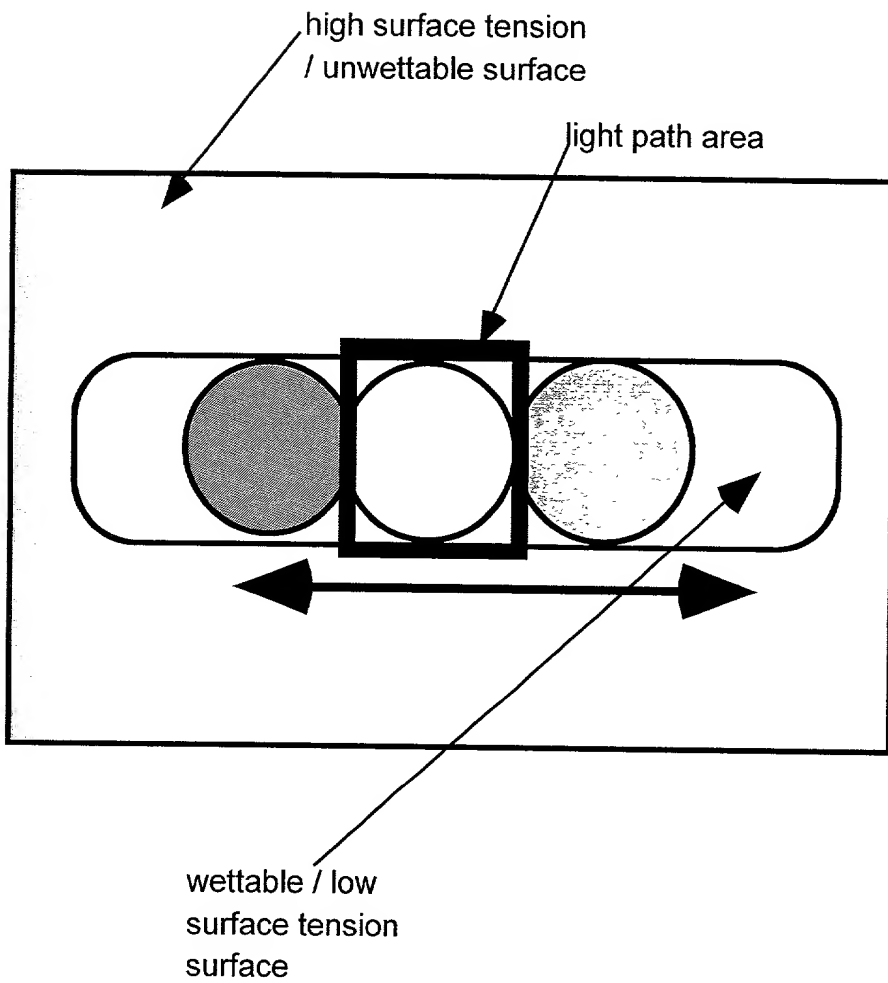
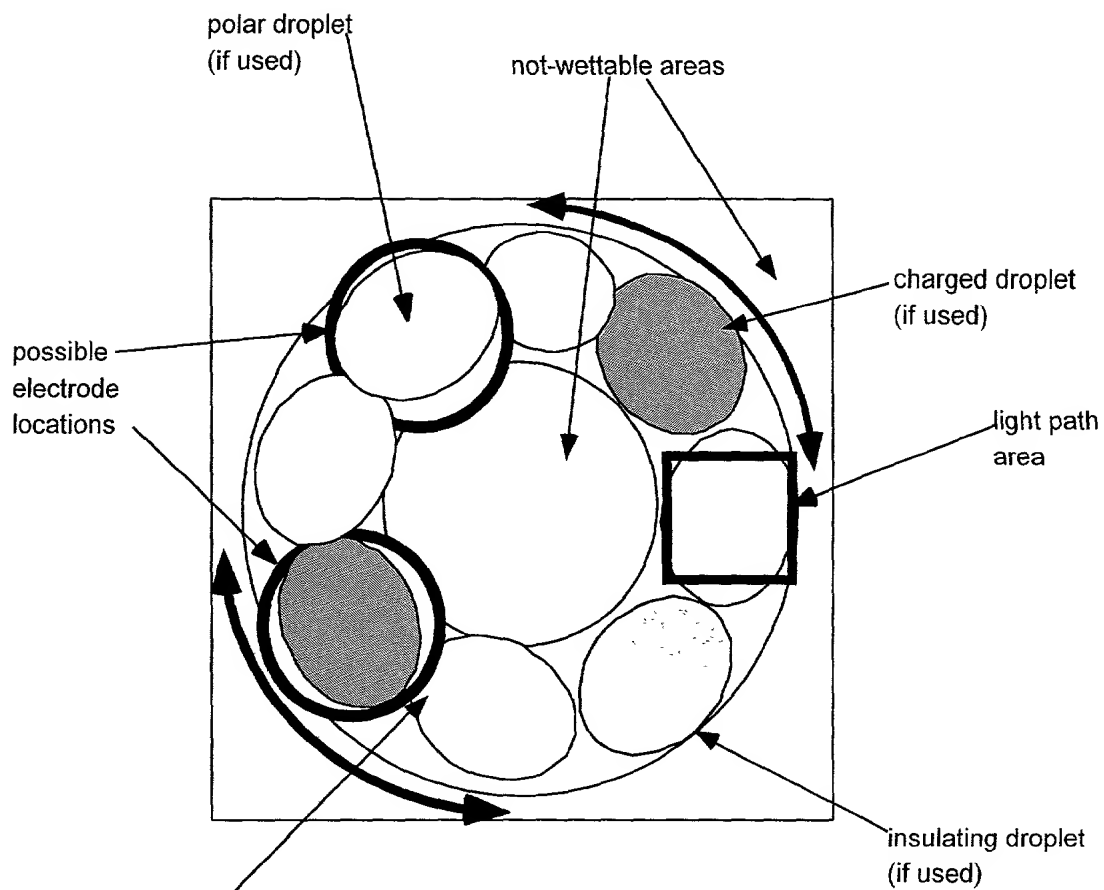


FIG. 7



differently-coloured droplets are moved around the hydrophilic (or less hydrophobic) 'track' by electrowetting or electrostatic influences affecting one or more droplets, induced by electrodes (2 of which, in possible locations, are shown)

FIG. 8



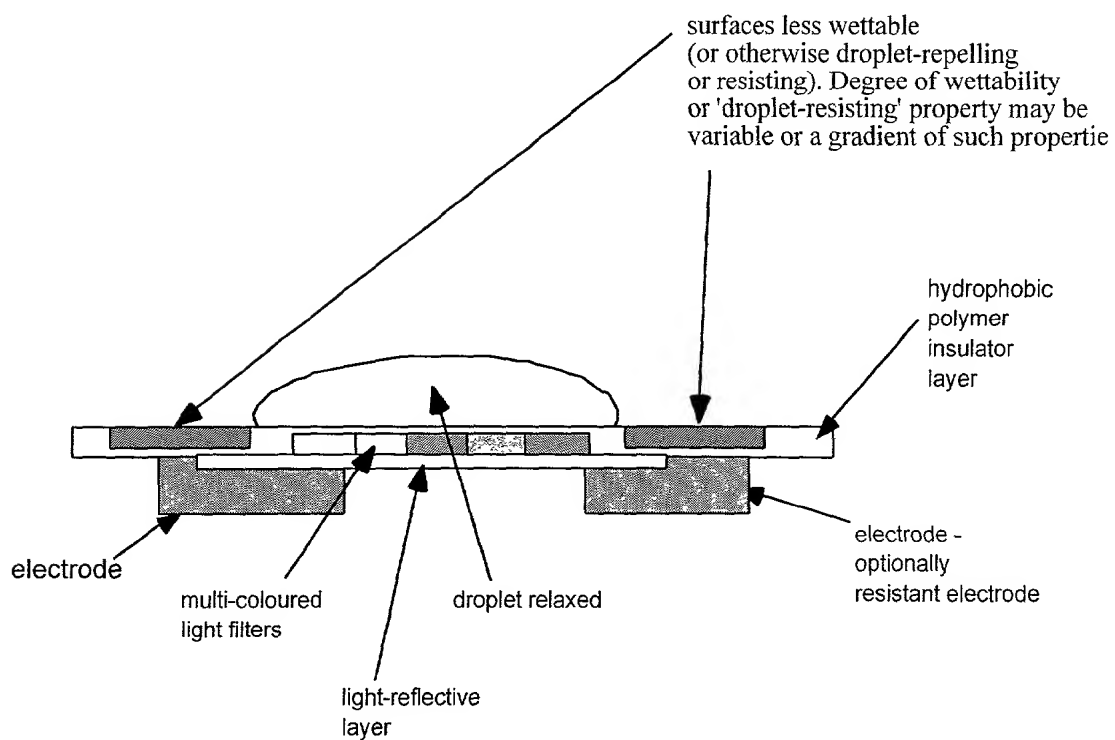


FIG. 9(a)

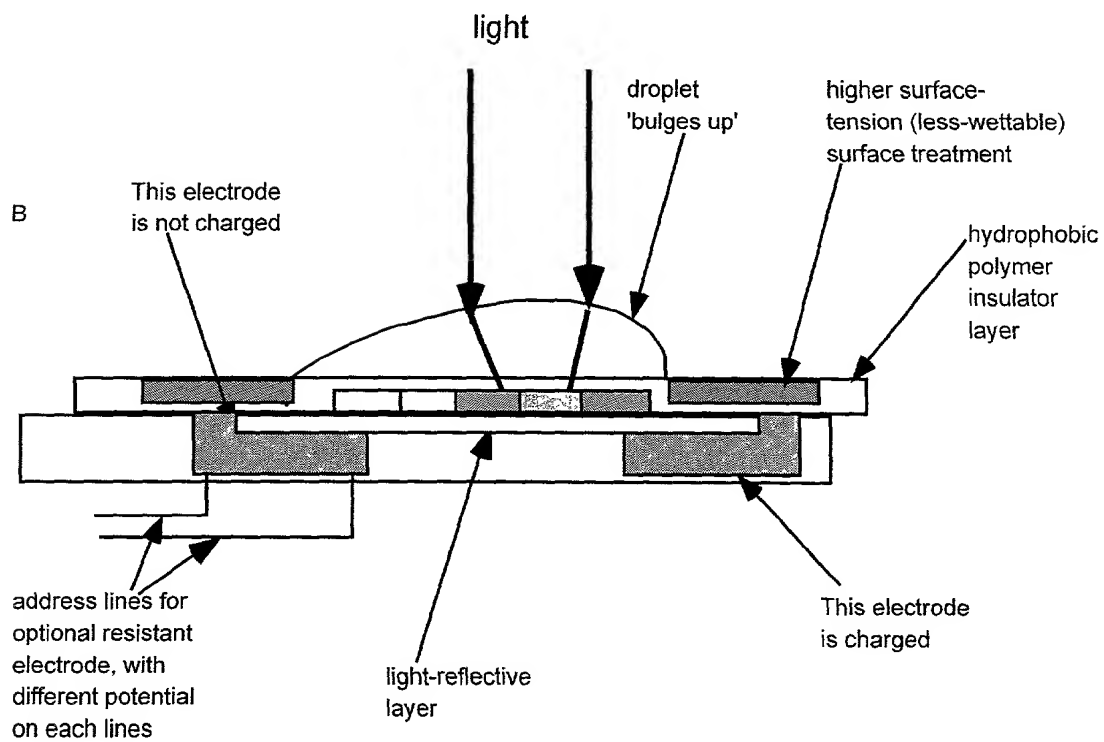


FIG. 9(b)

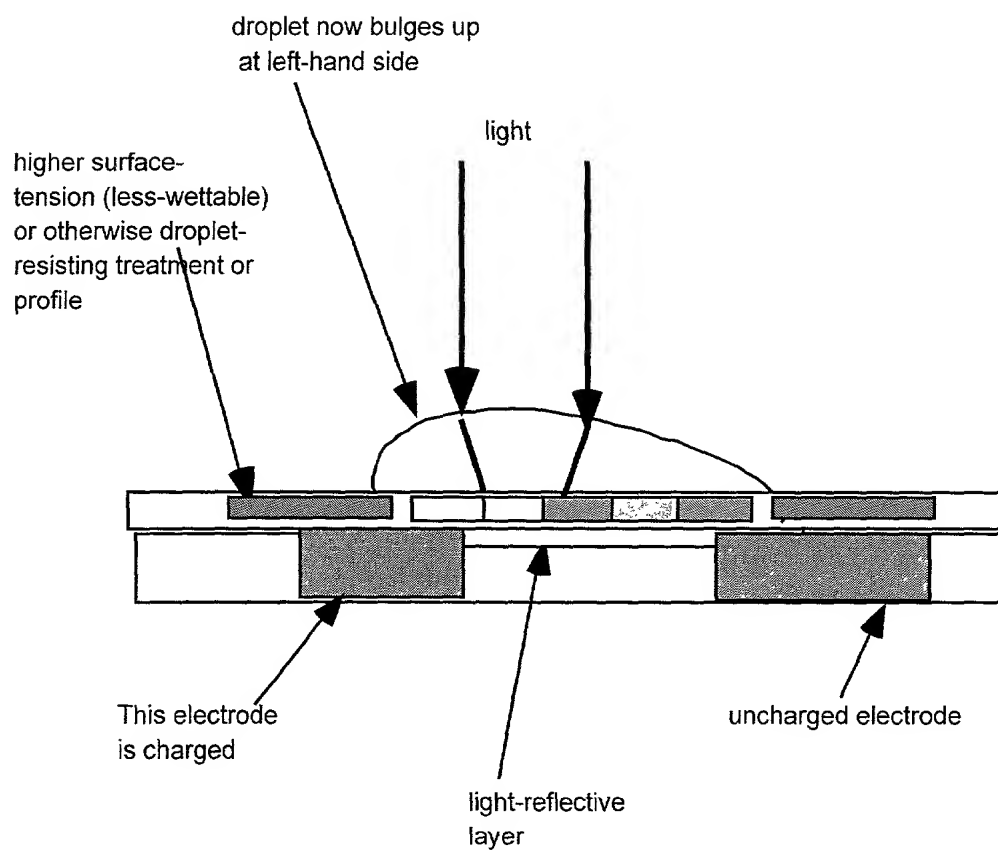


FIG. 9(c)

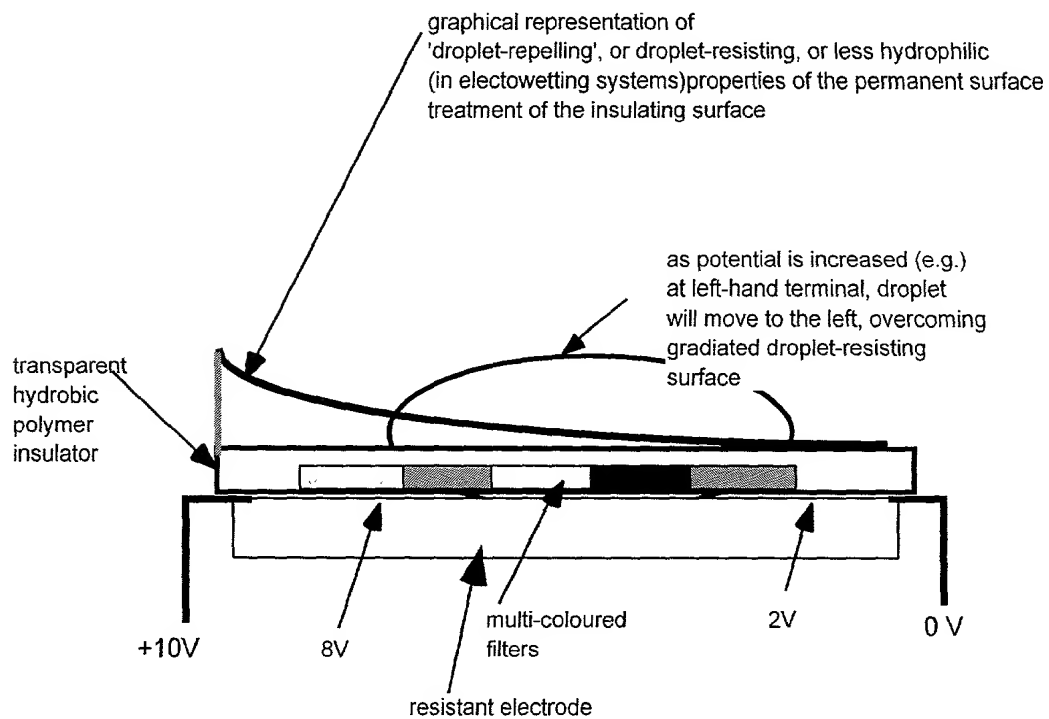


FIG. 10

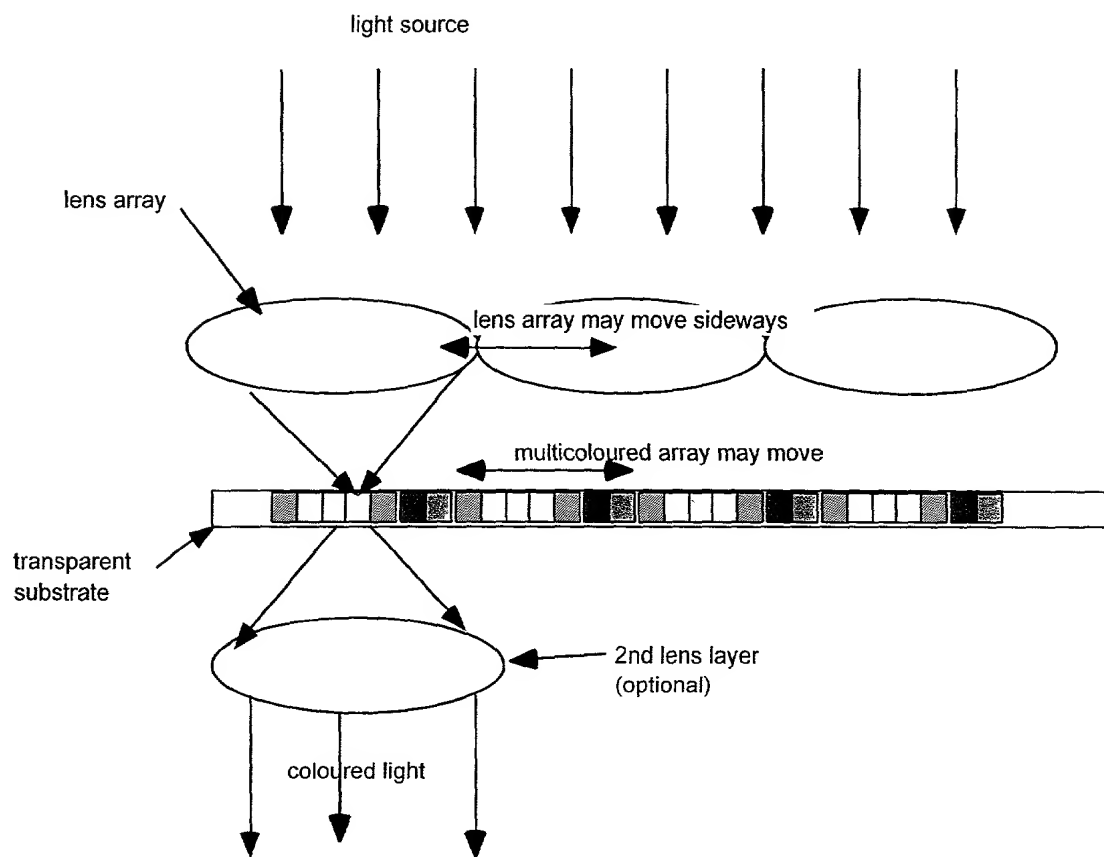


FIG 11

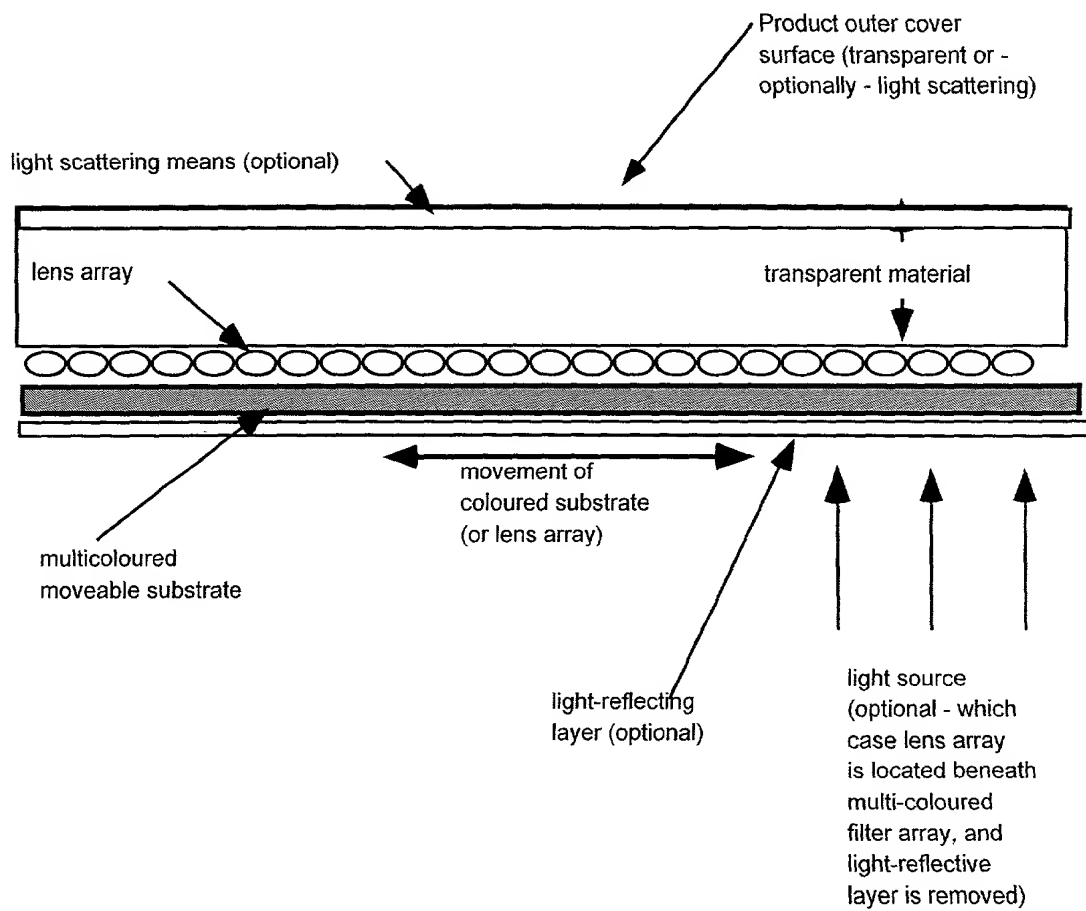


FIG. 12

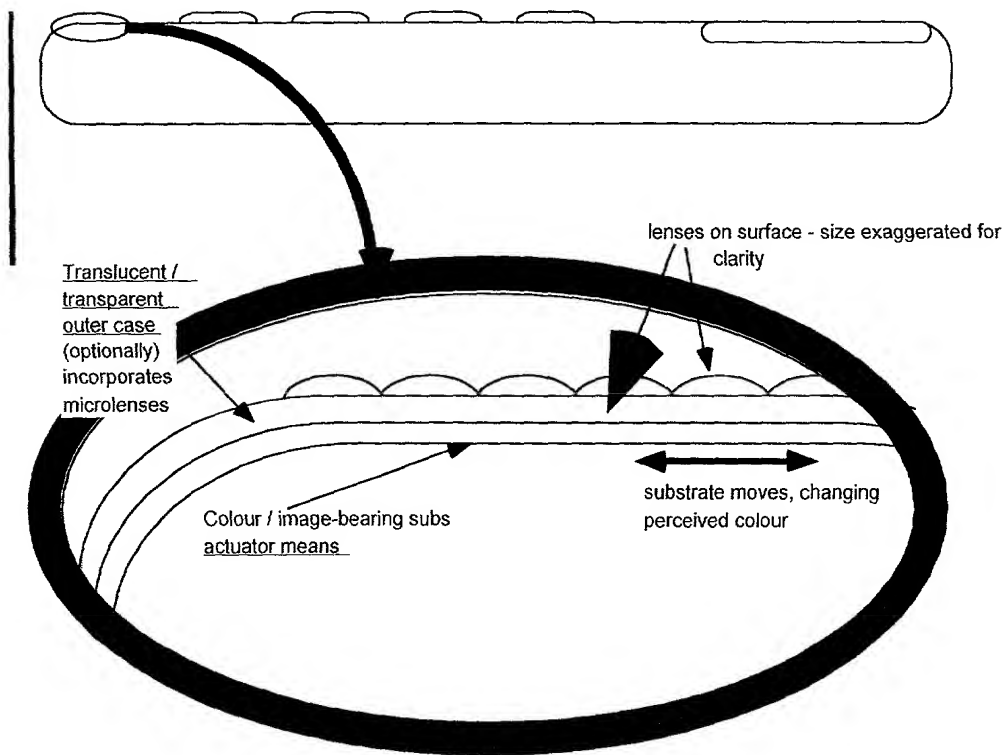


FIG. 13

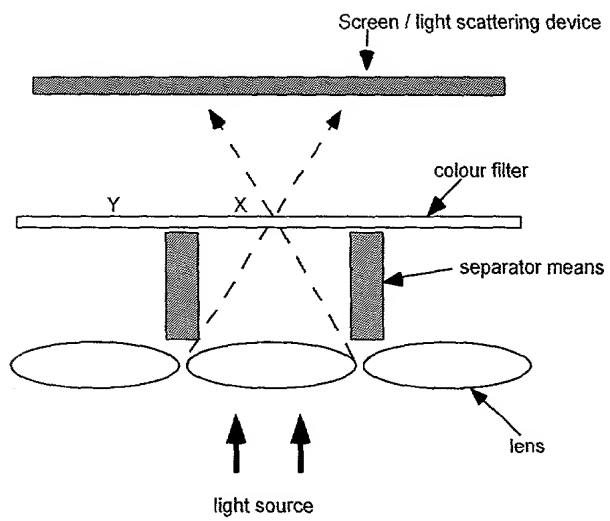


FIG. 14



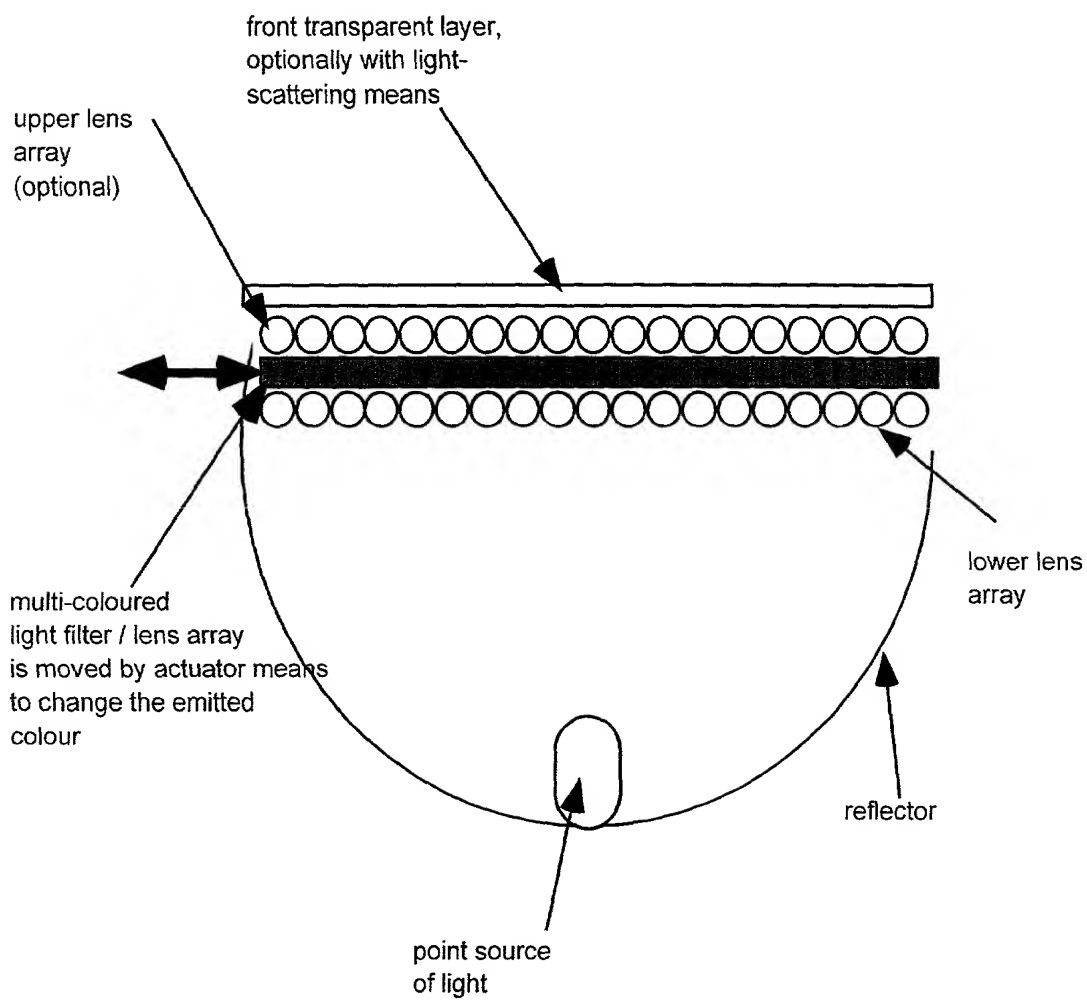


FIG. 15

Fig. 16 (a)

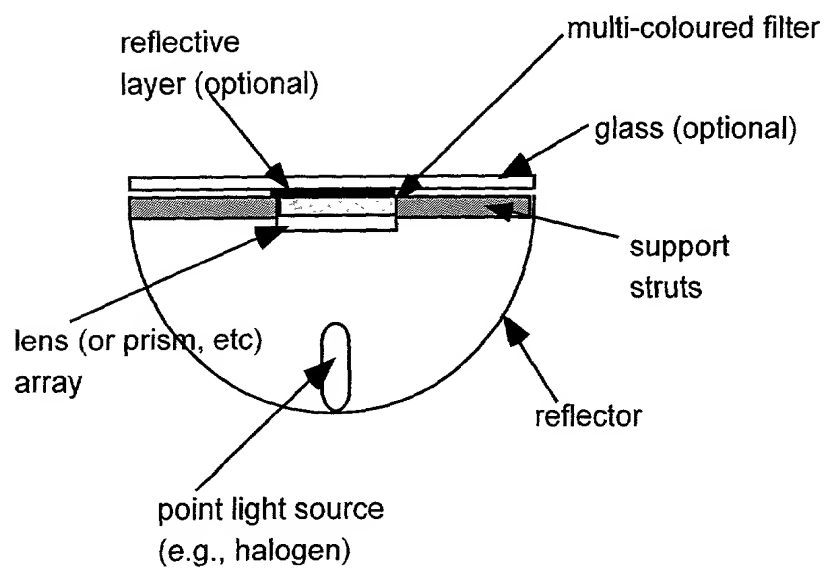
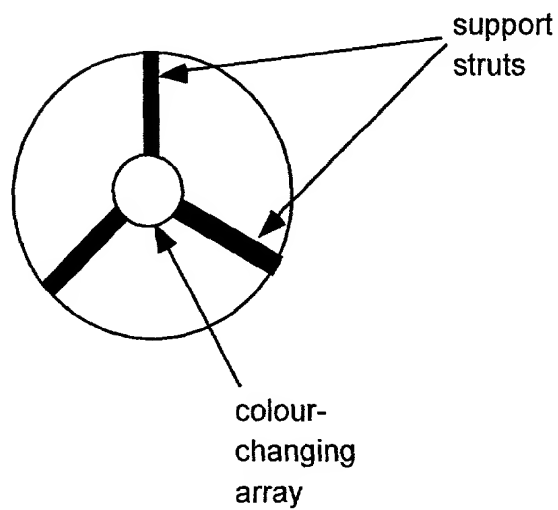


Fig. 16 (b)

Overview



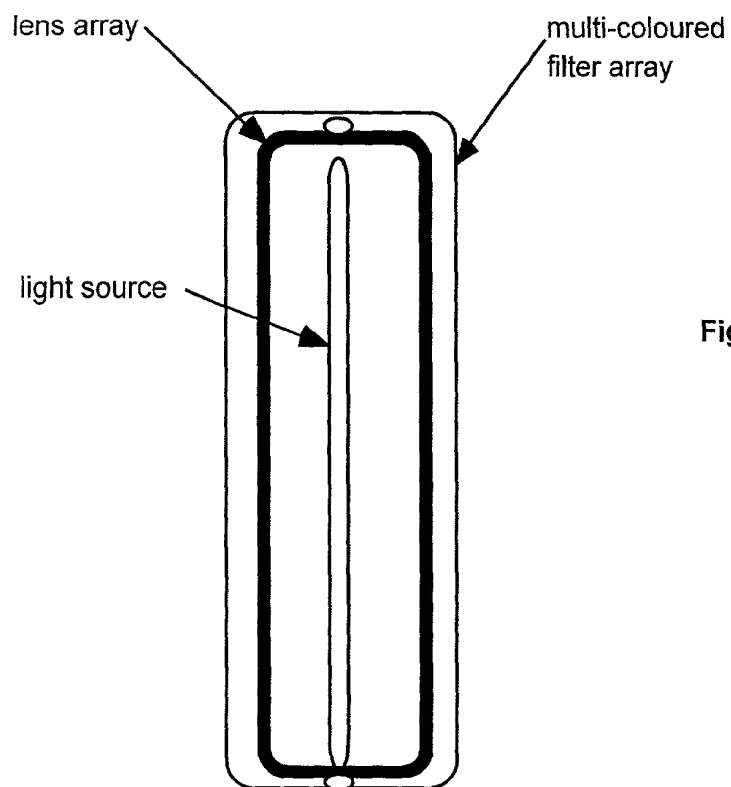


Fig. 17 (a)

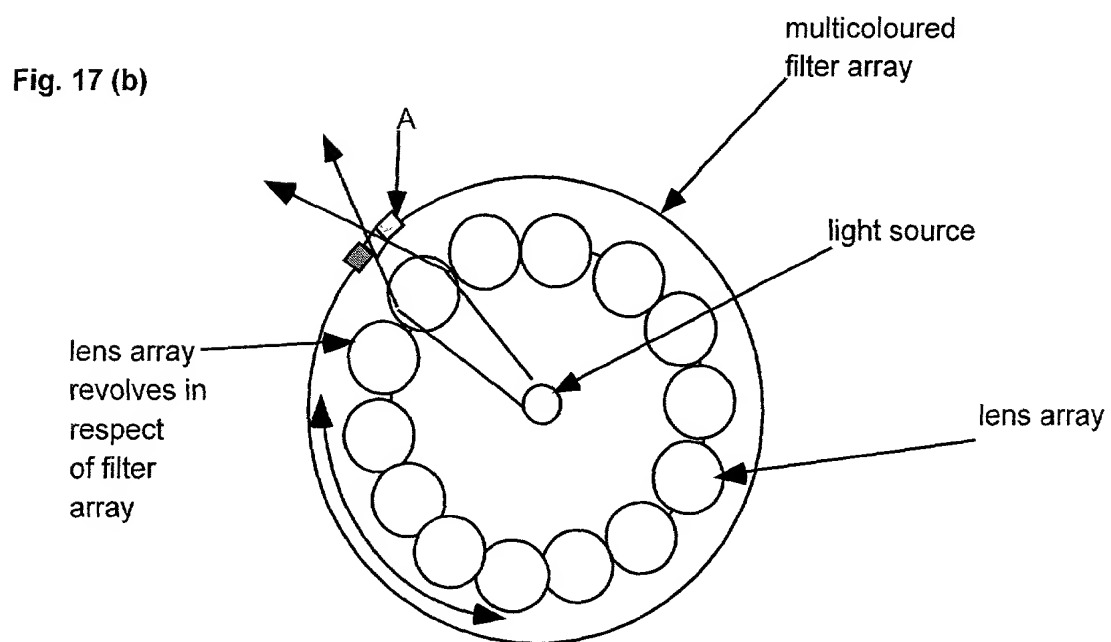


Fig. 17 (b)

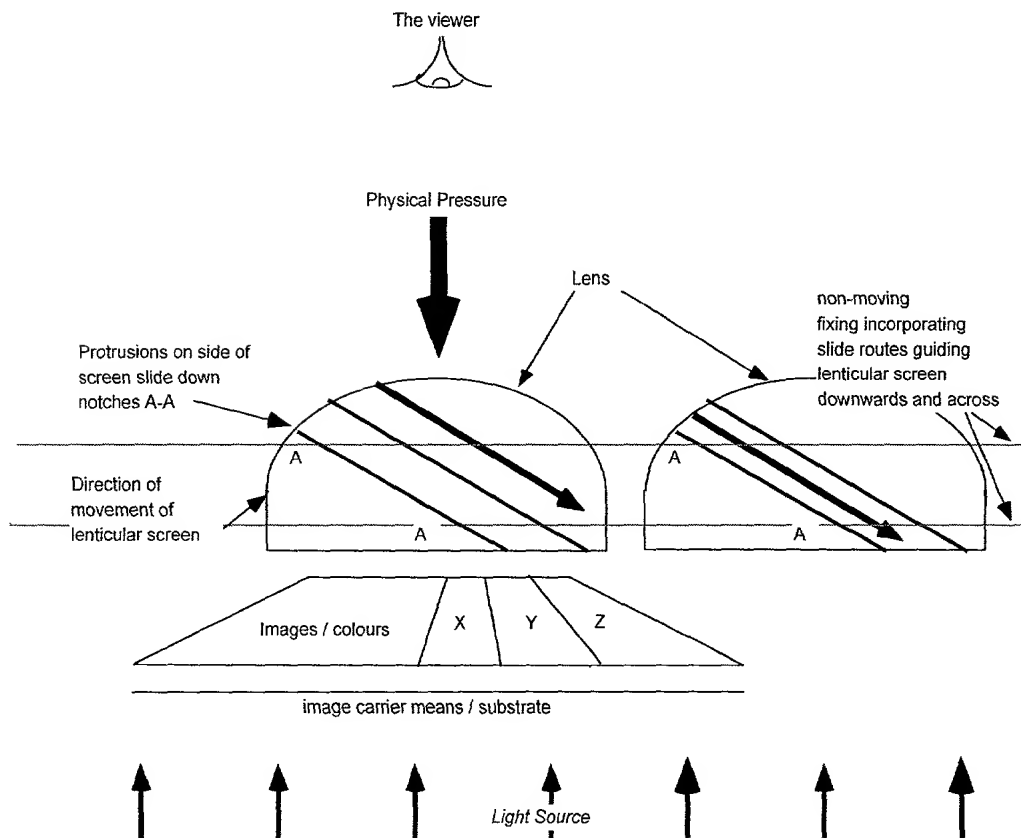


FIG. 18

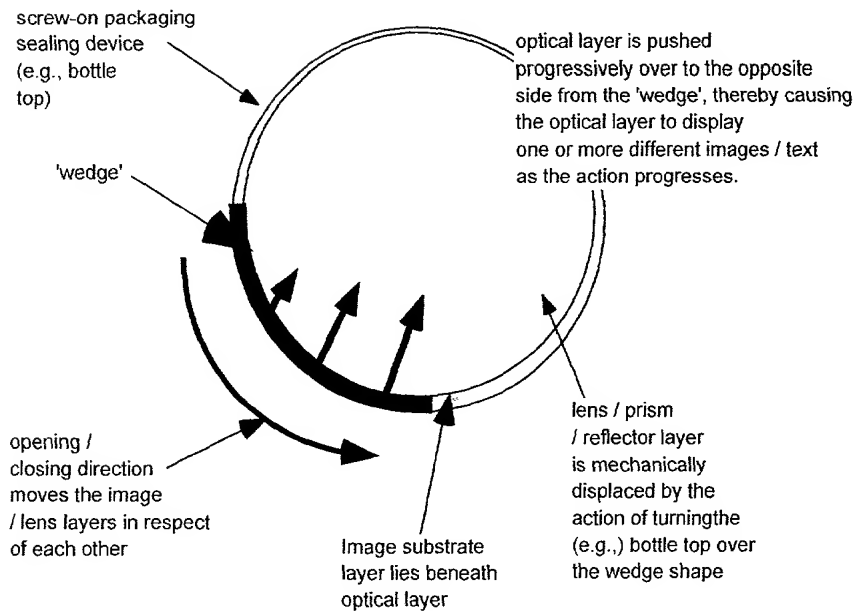


FIG 19

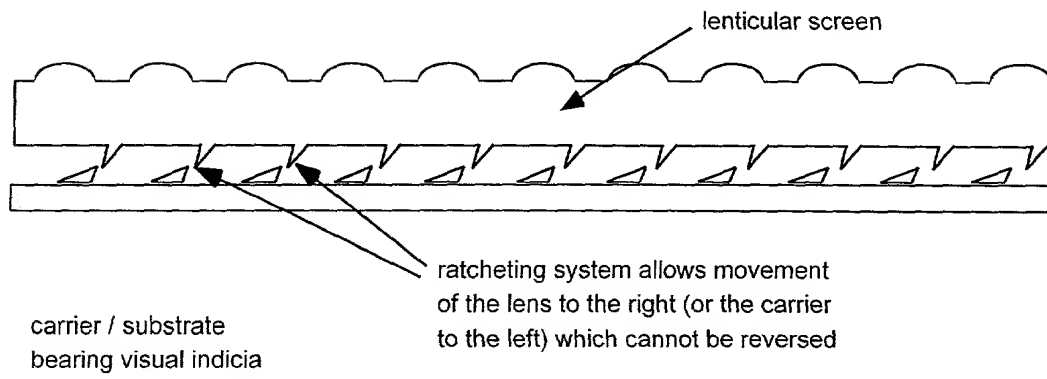


FIG. 20

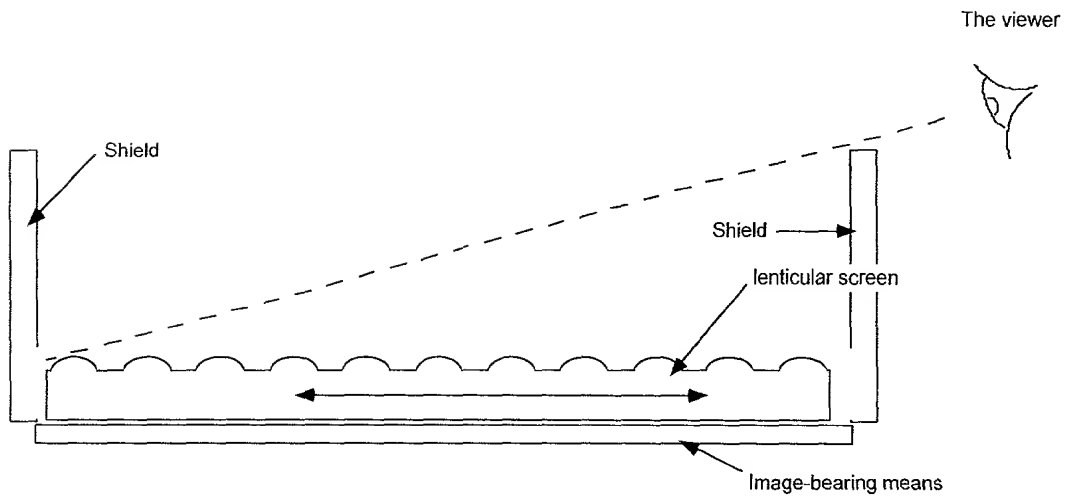


FIG. 21

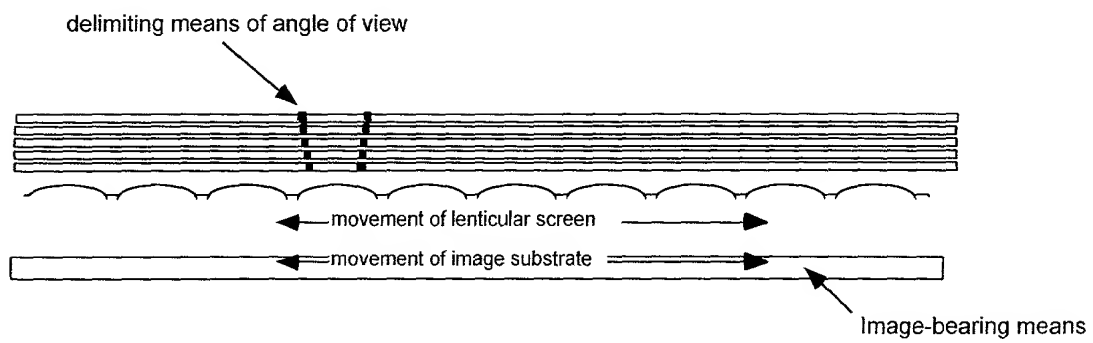


FIG. 22



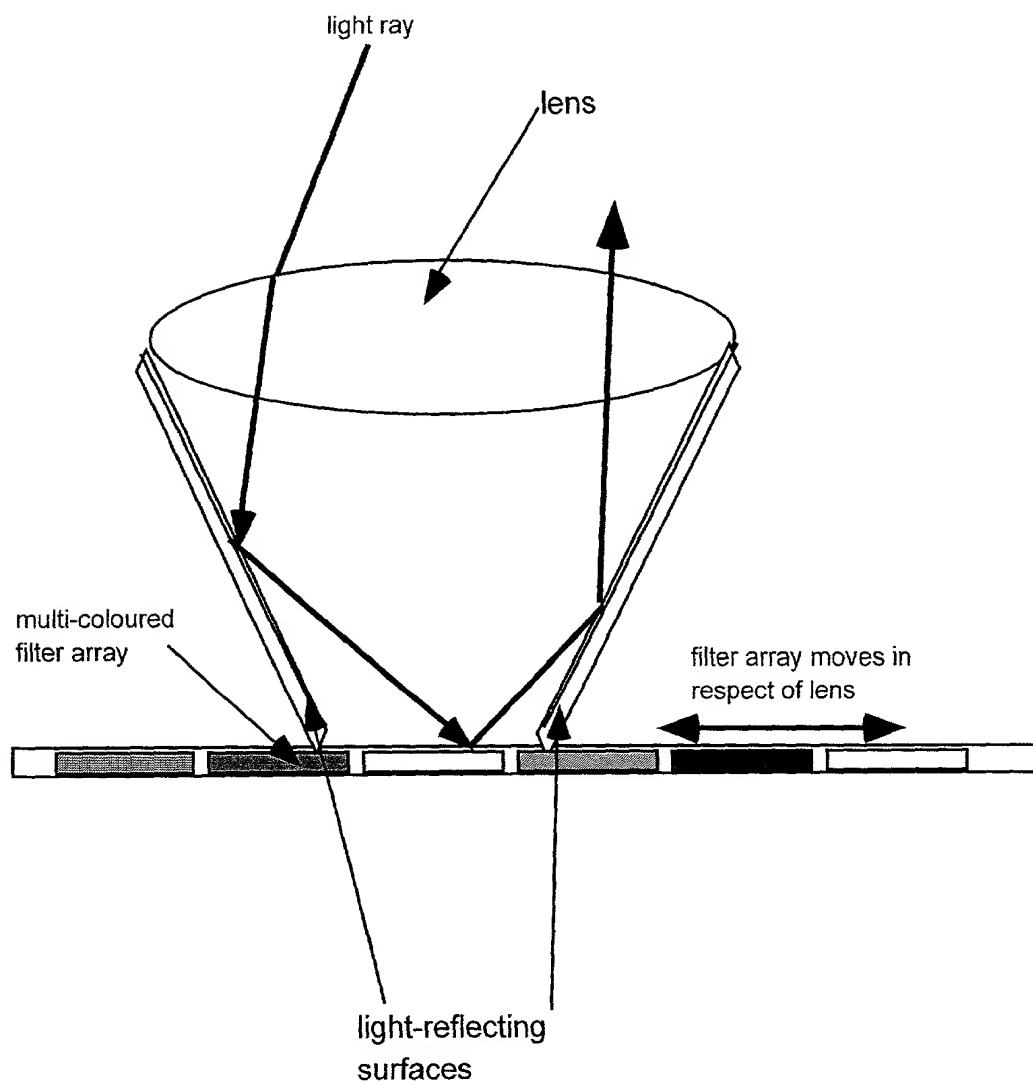


FIG. 23

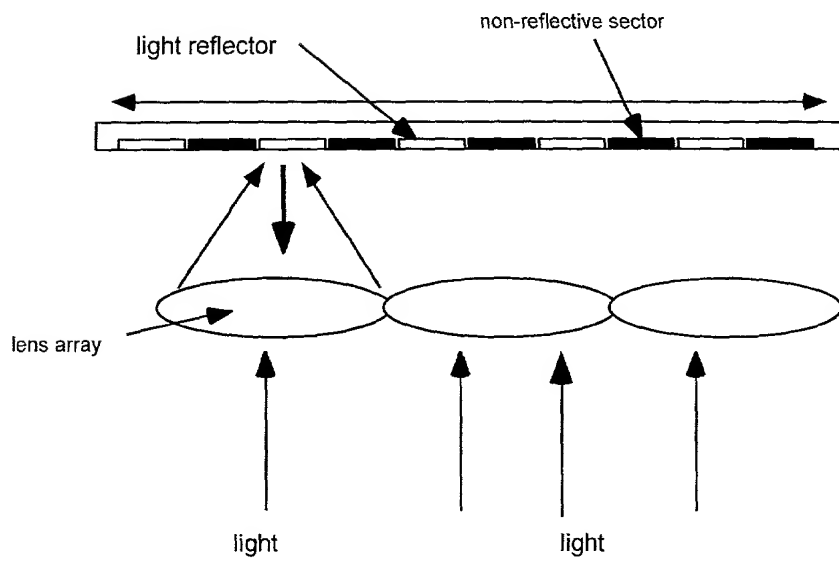


FIG. 24

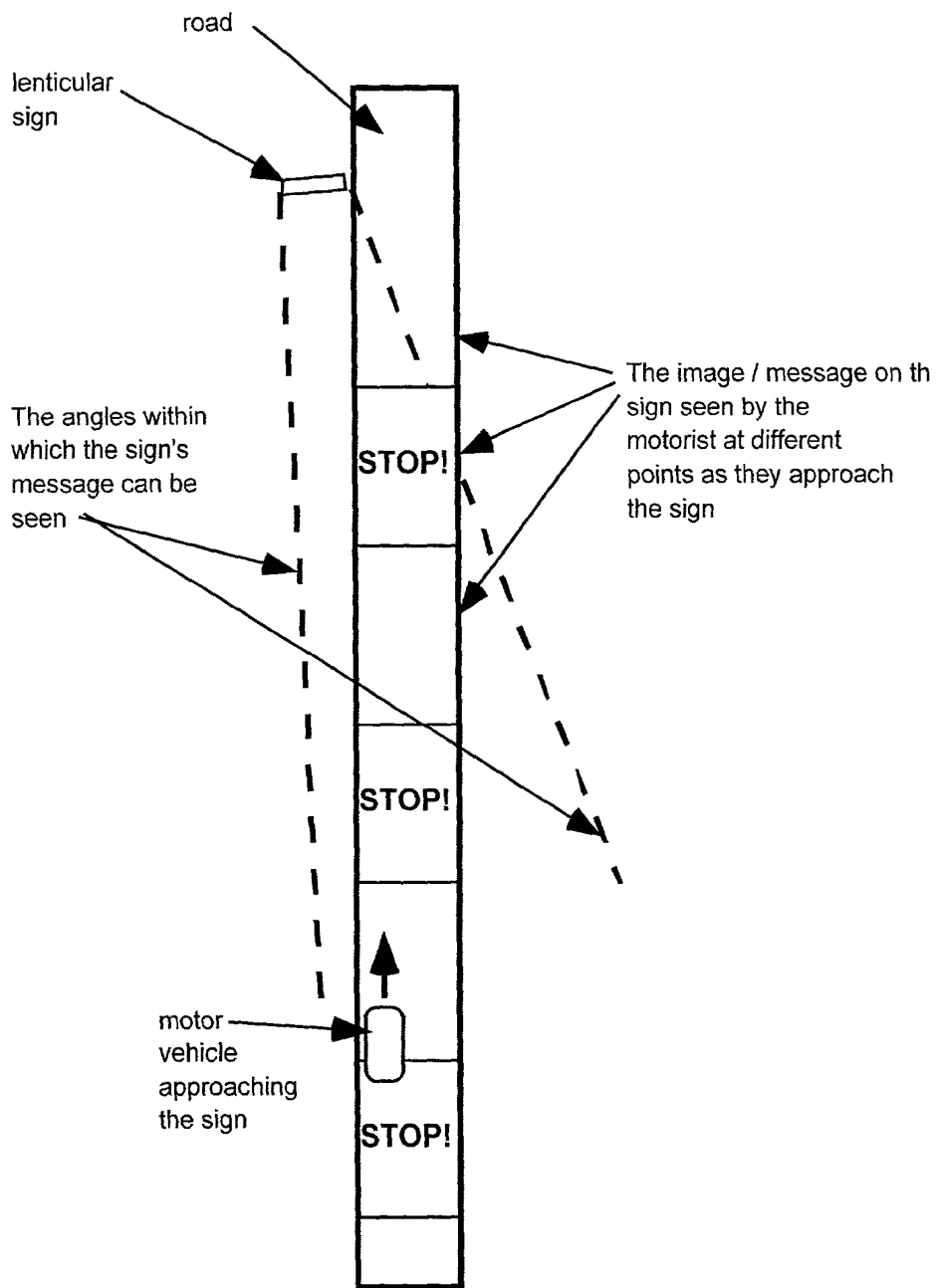
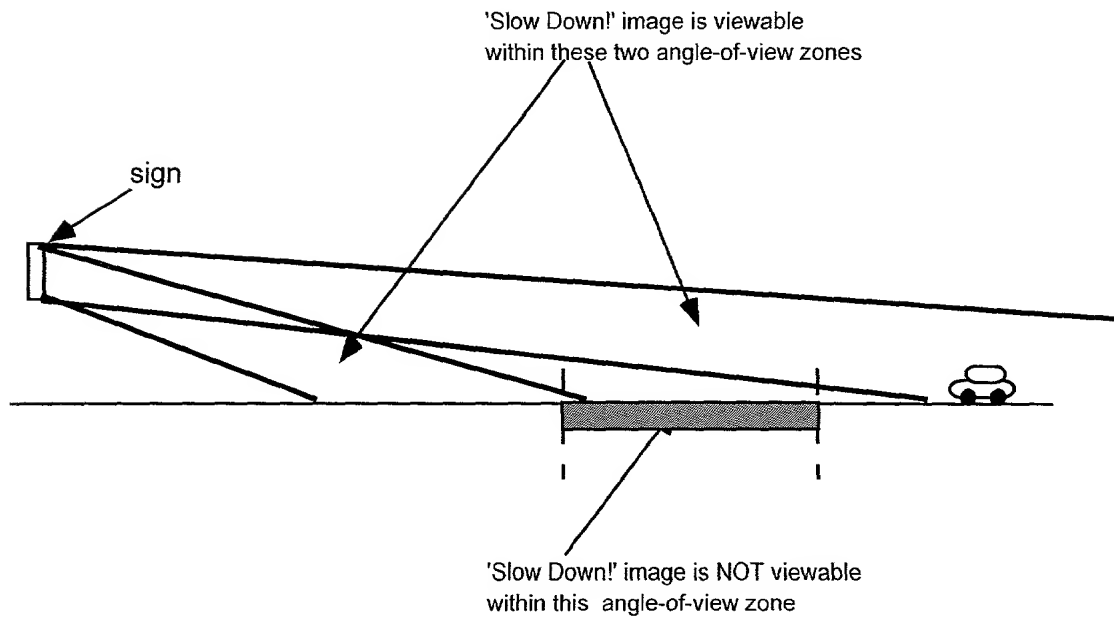


FIG. 25



F16. 26

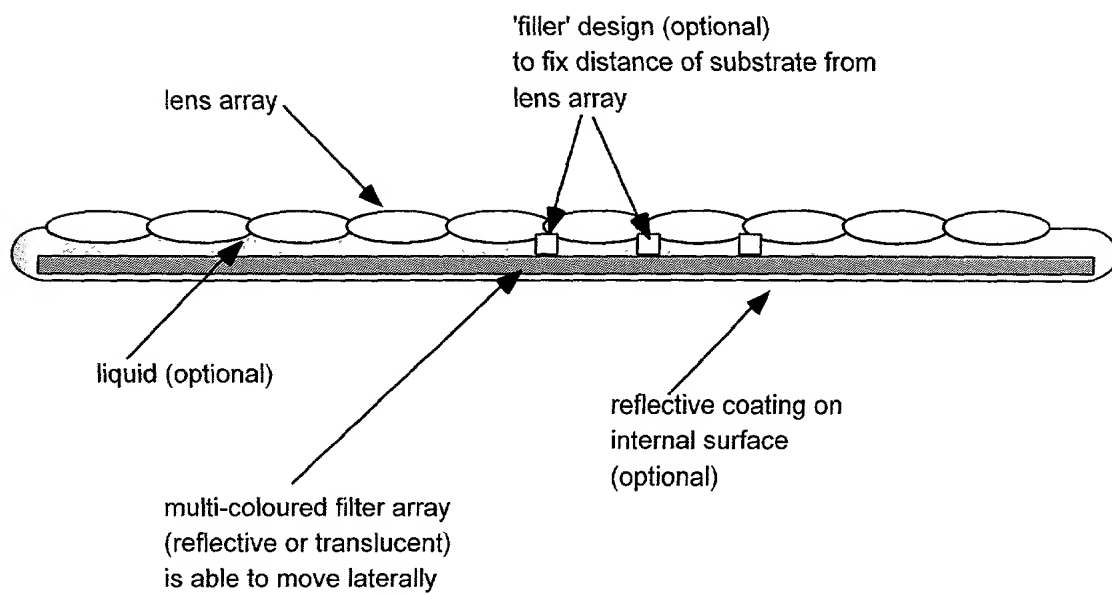


FIG. 27

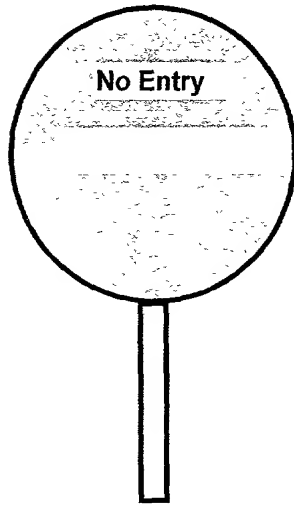
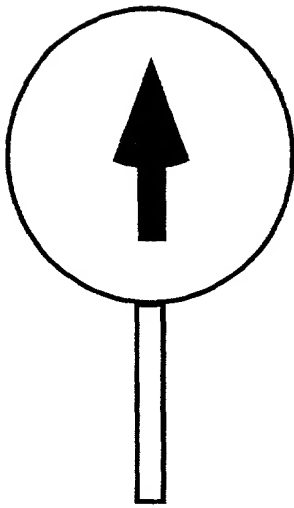


FIG. 28

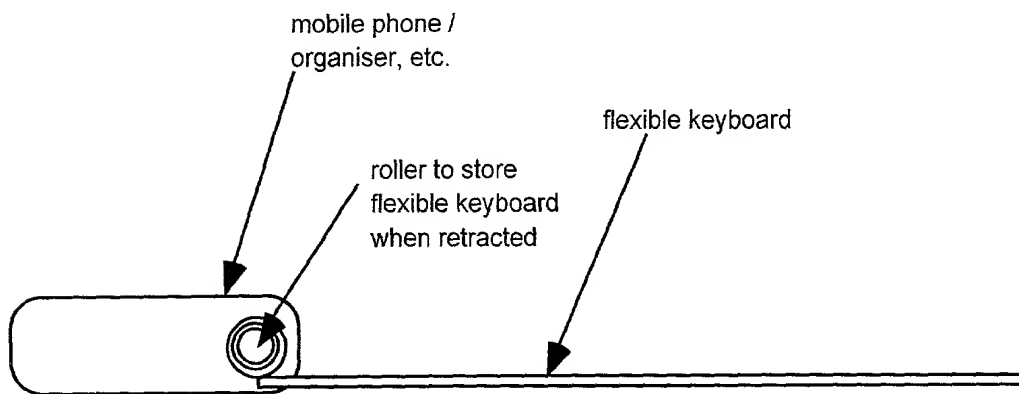


FIG. 29